

## ABSTRACT

A process for preparing recombinant heterocarpine with the complete sequence of heterocarpine (SEQ. ID. NO. 10), expression vectors comprising a polynucleotide encoding for heterocarpine, host cells transformed or transfected by said expression vectors as well as a process for obtaining heterocarpine by means of said transformed or transfected host cells are described where in the recombinant heterocarpine obtained is used to treat cancer.